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The Right Product for the Right Job Since 1980



Pigmented Epoxy Mortar

Epoxy Mortar Binder Resin100% Solids Zero VOC

Epoxy.com Product #24

DESCRIPTION

Pigmented Epoxy Mortar Resin Product #24 is a multipurpose colored epoxy binder for Epoxy Mortar Systems. This all purpose epoxy resin is characterized as an excellent general purpose material with good clarity and color retention. It is essentially odorless and can therefore be used in occupied areas. Pigmented Epoxy Mortar Resin Product #24 is 100% solids and has Zero (0) VOC, so it meets event the strictest low VOC standards.

ADVANTAGES

- Good troweling properties
- Excellent color retention
- Low odor for Good troweling properties
- Excellent color retention

CONSIDERATIONS

• Minimum application temperature of 50°F

(Contact **Epoxy System, Inc.** for Low Temperature Cure)

- Substrate must be free of curing agents and any foreign materials.
- Slight color variation can be expected from batch to batch.
- Pigmented version should not be used as a coating.

COMPOSITION

100% solids amine cured Epoxy Resin and Epoxy Hardener.

APPLICATION

SURFACE PREPARATION

Surface Preparation is the most critical portion to any successful resinous flooring system application. All substrates to receive **Pigmented Epoxy Mortar Resin Product #24** must be properly prepared as outlined in <u>Epoxy Surface Preparation Procedures</u>. Epoxy.com technical service department is pleased to answer any questions.

INSTALLATION

Will vary with application method.

PHYSICAL PROPERTIES

Color Light Grey, Taupe, Sand, Dark Grey, Old

Gold, Slate Blue, Mocha, Colonial Green, Brick Red, Deep Blue, White. Black,

Safety Yellow

Gloss, 60°F 85-1 00

Weight/gallon 9.00-9.5mixed

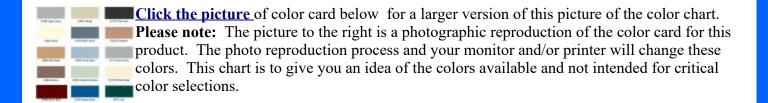
Solids Content 100%

Mix Ratio 4A to I B by volume Pot Life 30-40minutes @ 70°F



Viscosity	950 cps, mixed approx.
VOC	0
10-20 mil film	10-14 hrs.
T 1 1 . TD . CC'	1.6.1

Light Traffic 16 hrs.
Ultimate Cure @ 74°F 5 days
Dry Time @ 50°F 14 days



CHEMICAL RESISTANCE

R-Recommended for continuous service. L-Limited recommendation, occasional spills.

REAGENT	RATING	REAGENT	RATING
Acetic Acid-5%	L	Lactic Acid-15%	R
Acetone	L	Methyl Ethyl Ketone	L
Bleach	L	Nitric Acid-10%	R
Citric Acid-30%	R	Skydrol	R
Crude Oil	R	Sodium Hydroxide-50%	R
Diesel Fuel	R	Sulfuric Acid-20%	R
Ethylene Glycol	R	Toluene	R
Fatty Acids	L	Urea	R
Gasoline	R	Vinegar	L
Hydrochloric Acid-15%	R	Xylene	R

PERFORMANCE PROPERTIES

Tensile Strength ASTM-D-638	8500 psi	
Elongation ASTM-D-638	5.5%	
Adhesion to metal	2500 psi	
Adhesion to concrete ACI Committee 403	350 psi (concrete fails)	
Hardness ASTM-D-2240	80 (Shore D)	
Abrasion Resistance ASTM-C-501	35-40 mg loss	

(CS-17 wheel, 1 kg load, 1000 cycles)

Service Temperature MIL- D-3134F 160 F (immersion)

185 F (dry heat)

Impact Resistance MIL-D3134F § 4.7.3 Withstands 16ft/lbs.

no cracking, delamination or chipping.

Indentation MIL-D-3134F §4.7.4 Withstands 2,000 lbs./sq. in. for 30 min.

without indentation.

Elevated Temperature Resistance

No slip or flow

MIL-D-31 34F §4 7 5

at required temperatures at 158°F

Water Absorption ASTM-D-670-63 (24. hr. immersion) 0.10% maximum

Flexural Strength ASTM-D-790 8,000 psi Compressive Strength ASTM-D-695 11,000 psi

Proper mixing and installation is critical to the optimal success of all products. See <u>Installation Tips</u>, <u>Techdata</u>, & <u>MSDS</u> for more details on our products. Be sure to contact us with any questions and/or concerns that you have.

For more information please contact:

Epoxy.com

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